12-14-01

Commissioner for Patents Washington, DC 20231

ATTN: BOX PATENT APPLICATION

Sheet 1 of 2

UTILITY PATENT APPLICATION TRANSMITTAL

Docket No.: 00-838

Date: December 11, 2001

	U.S. Express Mail Label No.:	EL744441796US		
	tor Name(s): UL T. CORCORAN AND FEDERI	CO (NMI) FERNANDEZ		
Title: RE	AL TIME PAVEMENT PROFILE	INDICATOR		
X	Fee Transmittal Form Attached	in Duplicate		
x	Specification and Claim(s)	[Total Pages 17]		
x	Drawing(s)	[Total Sheets 7]		
•	FORMAL	·		
Declar	ration	[Total Pages 1]		
	X Newly Executed (Origin	al or Copy)		
	Copy From Prior Applic	eation (37 CFR § 1.63(d))		
	Deletion of Inve (Signed Stateme	ntor(s) (37 CFR § 1.63(d)(2)) nt Attached)		
x	Assignment Papers (Cover Shee	et and Document(s))		
	37 CFR § 3.73(b) Statement (if applicable)			
	English Translation Document (if applicable)			
x	Information Disclosure Statement (IDS)/PTO-1449			
	Copies of IDS Citations			
	Preliminary Amendment			
x	Return Receipt Postcard (Specifically Itemized)			
	Certified Copy of Priority Document(s)			
	Other			

Sheet	t 2 of 2					
If a Continuing Application						
	Continuation	Divisional	☐ Continuation-In-Part (CIP)			
of pr	rior Application No.:		;			
Exar	miner:		; and			
Grou	up/Art Unit:					
	Cancel Claims:					
•	For Continuations or Divisional Applications only: The entire disclosure of the prior application, from which an oath or declaration is supplied, as set forth above, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference.					
Corre	espondence Address:					
x	Customer Number or	Bar Code Label:	719			
	or					
	Correspondence addre	ess below:				
	Name:		ı			
	Address:					
	City:	State:	Zip Code:			
	Country:	·	•			
	***************					
	orney/Agent: Steve D. L. nature: Caterpillar Inc.	updquist /	Registration No.: 42,816  Date: />////			

PTO/SB/17 (10-01)
Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

F	Ε	E	TR	RAN	SN	ΛIΤ	TA	L
			for	FV	20	<b>M</b> 2		

Patent fees are subject to annual revision.

OTAL AMOUNT OF PAYMENT	(\$)
------------------------	------

C1		
\$)	1,	184

Complete if Known			
Application Number	(Unassigned)		
Filing Date	(Herewith)		
First Named Inventor	Paul T. Corcoran ET AL.		
Examiner Name	(Unassigned)		
Group Art Unit	(Unassigned)		
Attorney Docket No.	00-838		

METHOD OF PAYMENT	FEE CALCULATION (continued)			
1. X The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:	3. ADDITIONAL FEES			
Deposit Deposit	Large Small			
Account Number 03-1129	Entity Entity Fee	Fee Paid		
Deposit	Code (\$) Code (\$)	1007410		
Account Name	105 130 205 65 Surcharge - late filing fee or oath			
Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17	127 50 227 25 Surcharge - late provisional filing fee or cover sheet			
Applicant claims small entity status.	139 130 139 130 Non-English specification			
See 37 CFR 1.27	147 2,520 147 2,520 For filing a request for ex parte reexamination			
2. Payment Enclosed: Check Credit card Money Other	112 920° 112 920° Requesting publication of SIR prior to Examiner action			
FEE CALCULATION	113 1,840° 113 1,840° Requesting publication of SIR after Examiner action			
1. BASIC FILING FEE	115 110 215 55 Extension for reply within first month			
Large Entity Small Entity	116 400 216 200 Extension for reply within second month			
Code (t) Code (t) Foo Doid	117 920 217 460 Extension for reply within third month			
101 740 201 270 Likilibi filipa for	118 1,440 218 720 Extension for reply within fourth month			
740 101 740 201 370 Outly lining fee 740	128 1,960 228 980 Extension for reply within fifth month			
107 510 207 255 Plant filing fee	119 320 219 160 Notice of Appeal			
108 740 208 370 Reissue filing fee	120 320 220 160 Filing a brief in support of an appeal			
114 160 214 80 Provisional filing fee	121 280 221 140 Request for oral hearing			
CURTOTAL (4) (C)	138 1,510 138 1,510 Petition to institute a public use proceeding			
SUBTOTAL (1) (\$) 740	140 110 240 55 Petition to revive - unavoidable			
2. EXTRA CLAIM FEES	141 1,280 241 640 Petition to revive - unintentional	;		
Extra Claims below Fee Paid	142 1,280 242 640 Utility issue fee (or reissue)			
Total Claims 26 .20** = 6 x 18 = 108	143 460 243 230 Design issue fee			
Claims	144 620 244 310 Plant issue fee			
Multiple Dependent	122 130 122 130 Petitions to the Commissioner			
Large Entity Small English	123 50 123 50 Processing fee under 37 CFR 1,17(q)			
Large Entity Small Entity Fee Fee Fee Fee Description	126 180 126 180 Submission of Information Disclosure Stmt			
Code (\$) Code (\$) 103 18 203 9 Claims in excess of 20	581 40 581 40 Recording each patent assignment per property (times number of properties)			
102 84 202 42 Independent claims in excess of 3	146 740 246 370 Filing a submission after final rejection (37 CFR § 1.129(a))			
104 280 204 140 Multiple dependent claim, if not paid  109 84 209 42 ** Reissue independent claims over original patent	149 740 249 370 For each additional invention to be examined (37 CFR § 1.129(b))			
110 18 210 9 ** Reissue claims in excess of 20	179 740 279 370 Request for Continued Examination (RCE)			
and over original patent	169 900 169 900 Request for expedited examination of a design application	]		
SUBTOTAL (2) (\$) 444	Other fee (specify)			
**or number previously paid, if greater, For Reissues, see above	*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$)	0		

SUBMITTED BY Complete (if applicable) Registration No. Telephone Name (Print/Type) Lungqu Steve D. 42,816 (314) 849-4079 (Attorney/Agent) Signature 12/11/2001

> WARNING Thformation in this form may become public. Credit card infirmation shi uld not be included on this f rm. Pr vide credit card information and authorizati n n PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.